

WHAT IS CLAIMED IS:

1 1. A motor vehicle comprising an engine with an engine
2 block; a clutch with a clutch-actuator device including at least
3 one element from the group of hydraulic, mechanical and
4 electronic elements, the clutch actuator device including a
5 clutch-release device with at least one clutch-release drive
6 source; a transmission adjacent to the clutch; a transmission
7 housing surrounding the transmission; a clutch bell housing
8 surrounding the clutch; a control device; and a carrier element;
9 wherein the transmission housing is connected to the clutch bell
10 housing and the latter is, in turn, connected to the engine
11 block; the control device is operable to control at least the
12 clutch in an automated mode; at least portions of at least one
13 of the clutch-actuator device and the control device are
14 integrated in the carrier element; and said carrier element is
15 arranged in an intermediate area between the clutch bell housing
16 and the transmission housing.

1 2. The motor vehicle of claim 1, wherein the clutch-
2 release drive source is integrated in the carrier element.

1 3. The motor vehicle of claim 1, wherein the clutch
2 release device is integrated in the carrier element.

1 ④. The motor vehicle of claim 1, wherein the clutch
2 actuator device comprises hydraulic conduits and hydraulic

elements and at least part of said hydraulic conduits and elements are integrated in the carrier element.

(5.) The motor vehicle of claim 4, wherein the hydraulic elements comprise at least one of a hydraulic valve and a hydraulic cylinder.

6. The motor vehicle of claim 1, wherein the clutch actuator device comprises electronic components and connections and at least one of said electronic components and connections is integrated in the carrier element.

7. The motor vehicle of claim 1, wherein the carrier element functions as a rear wall that closes off the clutch bell housing towards the transmission.

8. The motor vehicle of claim 1, wherein the clutch bell housing comprises a rear housing wall and the carrier element is arranged to lie against the rear housing wall.

9. The motor vehicle of claim 1, wherein the carrier element is made as a casting.

10. The motor vehicle of claim 9, wherein the casting is from the group consisting of steel castings, iron castings and tempered castings.

1 11. The motor vehicle of claim 9, wherein the actuator
2 device has parts that are integrally molded into the casting.

1 12. The motor vehicle of claim 1, wherein the clutch
2 bell housing and the transmission housing are made as separate
3 components and the carrier element forms a connection between
4 the clutch bell housing and the transmission housing.

1 13. The motor vehicle of claim 1, wherein the clutch
bell housing and the transmission housing are connected as a
housing unit and the carrier element is arranged inside said
housing unit in a transition area between the clutch bell
housing and the transmission housing.

1 14. The motor vehicle of claim 11, wherein the carrier
device with the integrally molded-in parts forms an assembly
unit.

1 15. The motor vehicle of claim 14, wherein the assembly
2 unit is preassembled.

1 16. The motor vehicle of claim 15, wherein the assembly
2 unit is tested before being installed.